

REPLACEMENT SHEET

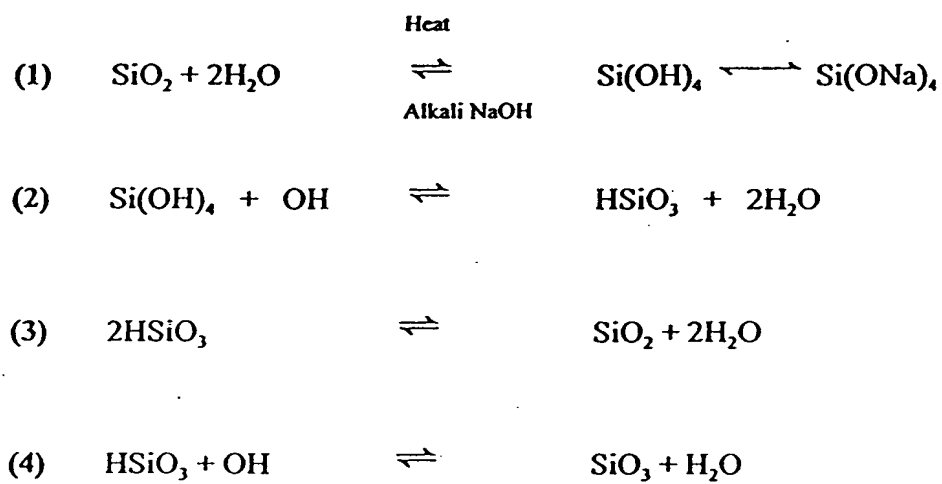


Fig. 1



REPLACEMENT SHEET

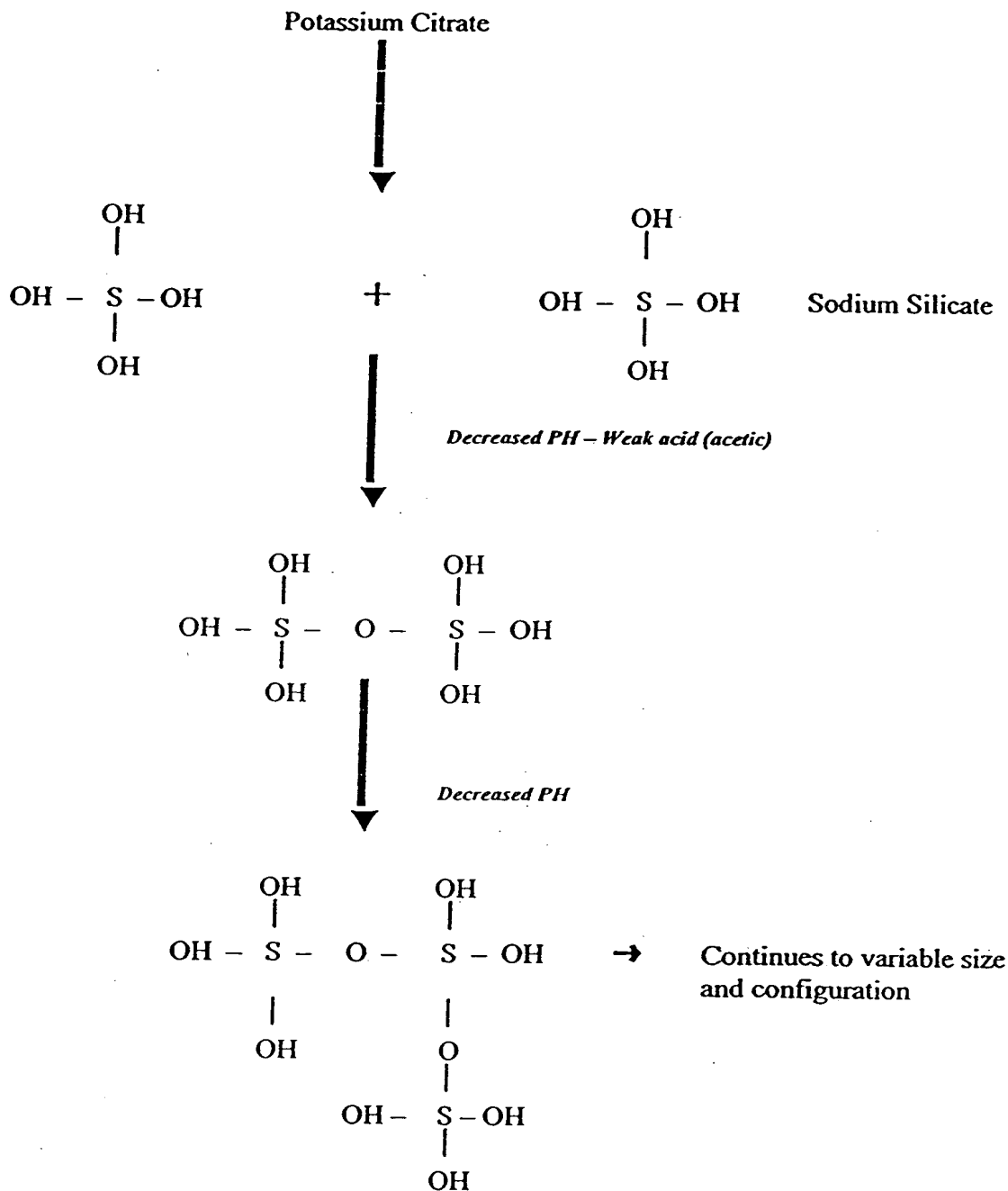


Fig. 2



REPLACEMENT SHEET

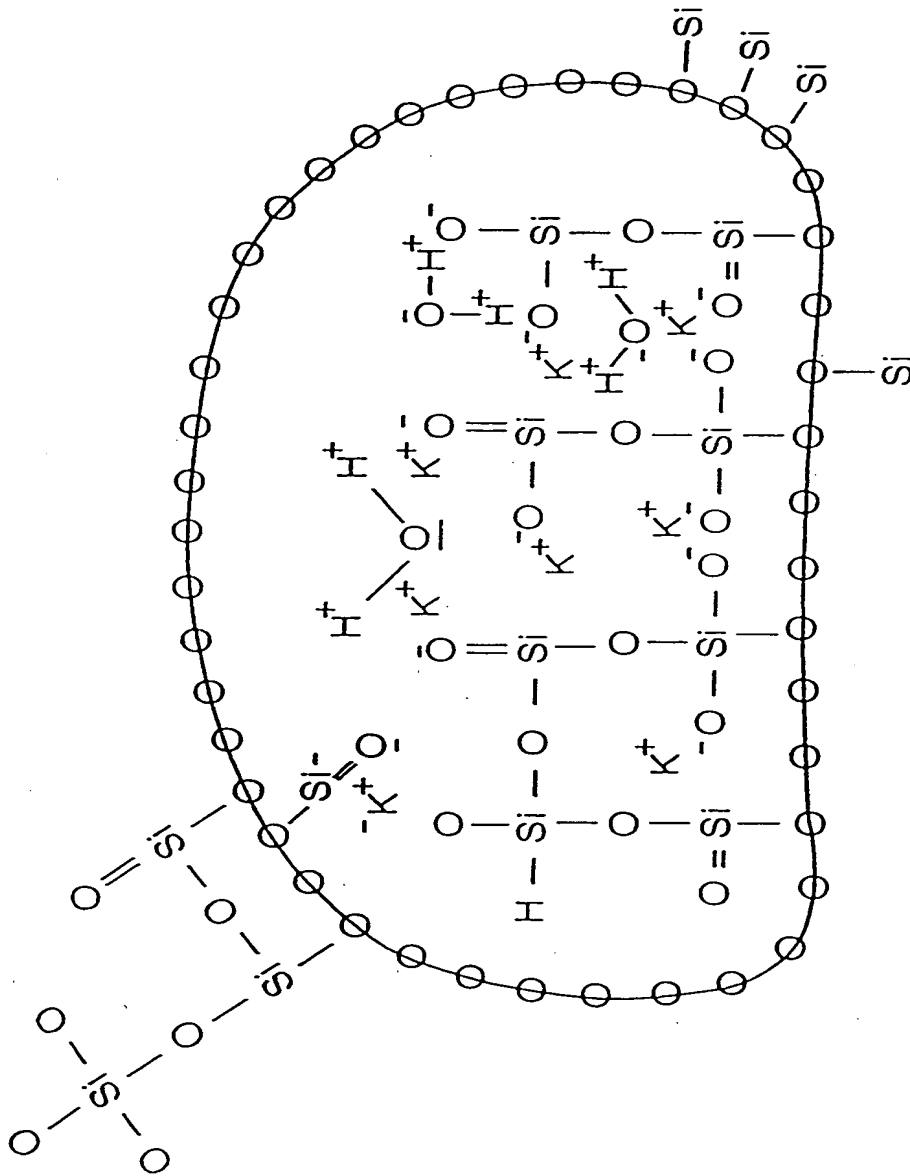


FIG. 3



REPLACEMENT SHEET

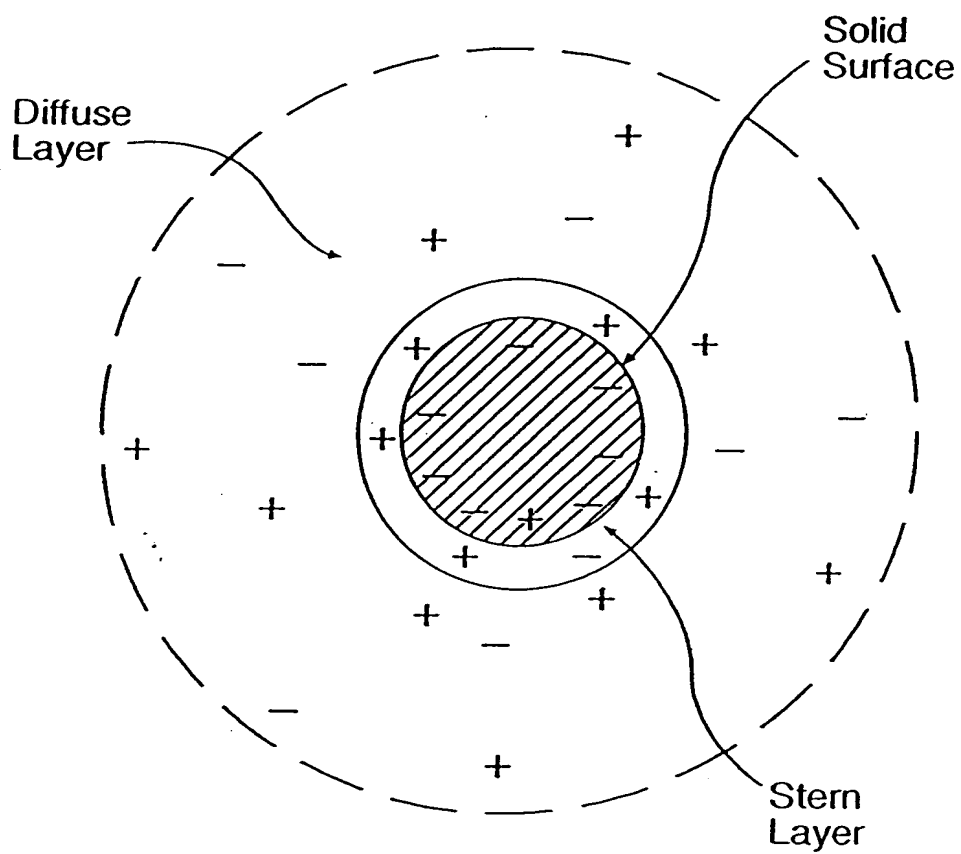
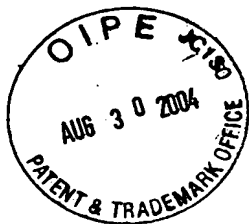


FIG. 4



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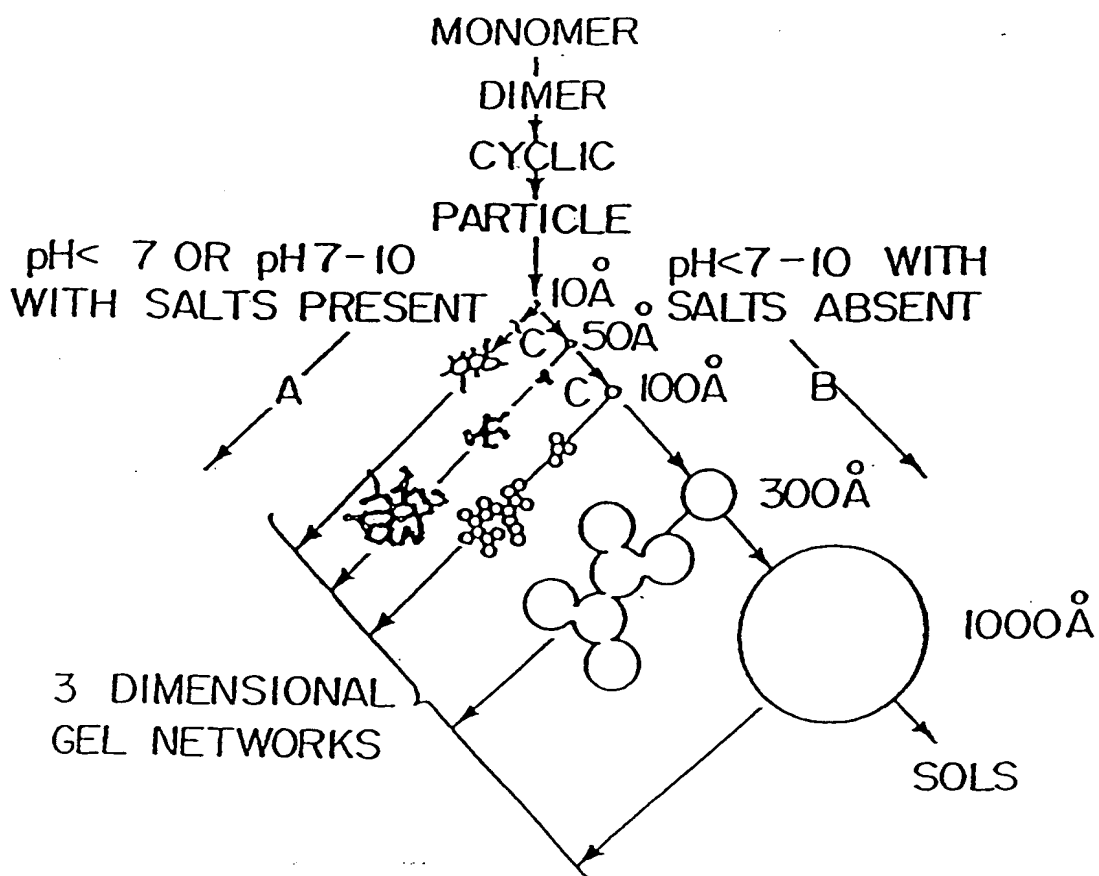


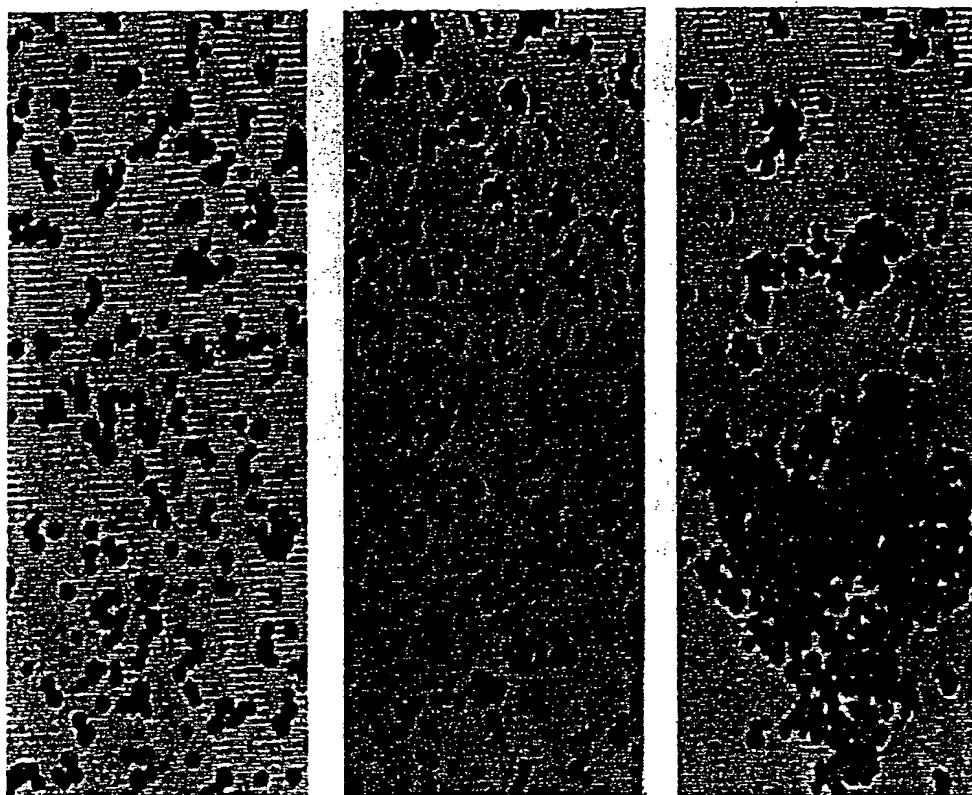
FIG. 5



REPLACEMENT SHEET

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Colloid Chemistry of Silica and Silicates



Electron micrographs showing stages of aggregation of 35 millimicron silica particles: *left*, colloidal aggregates; *center*, aggregates approaching colloidal size; *right*, supercolloidal aggregates or precipitate.

FIG. 6



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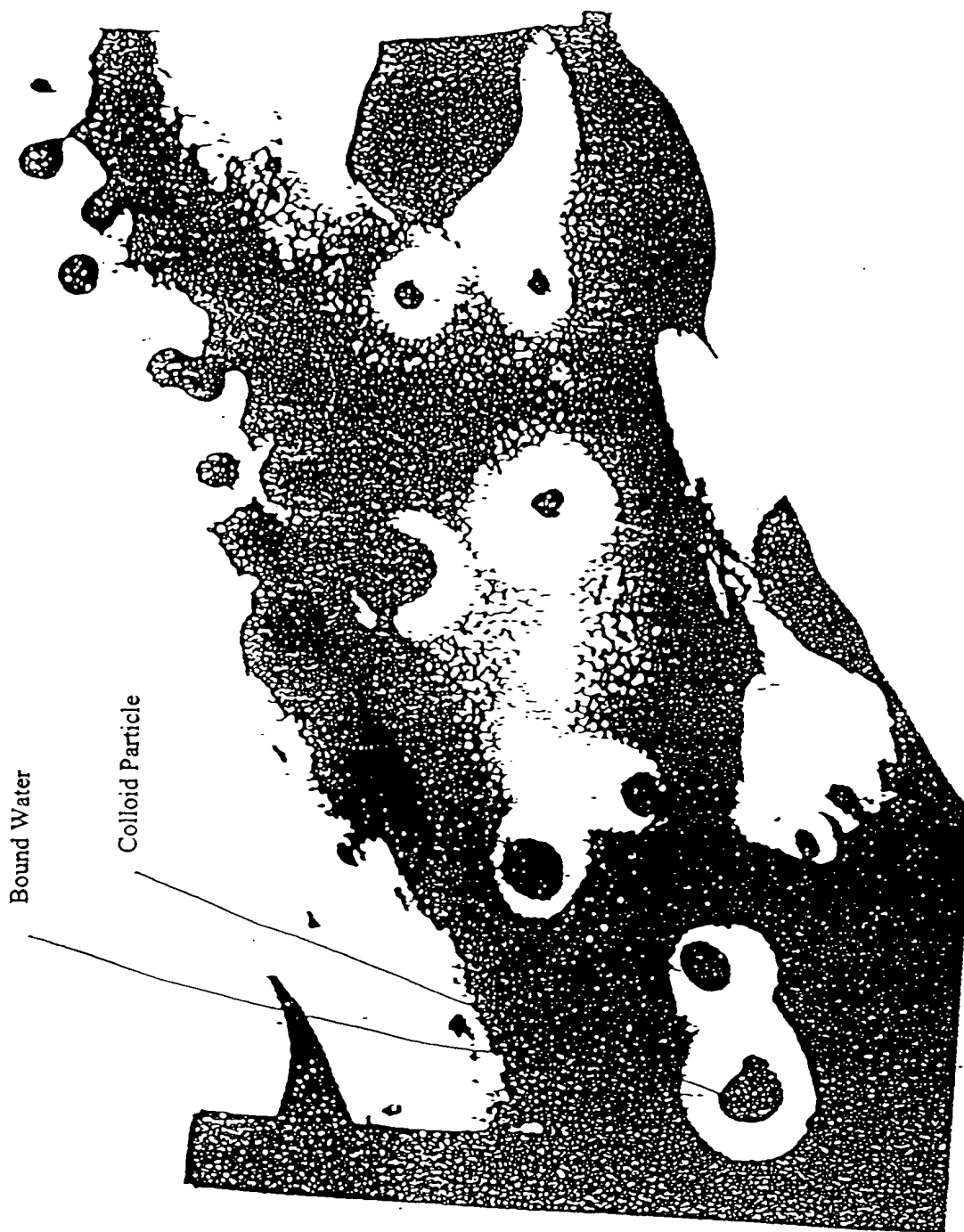
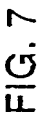


Fig. 6A. Electron photomicro graph of the colloid of the invention.







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Cross sectional view of counter current generator of the invention with lines A-A' and B-B' noted for measurement purposes.

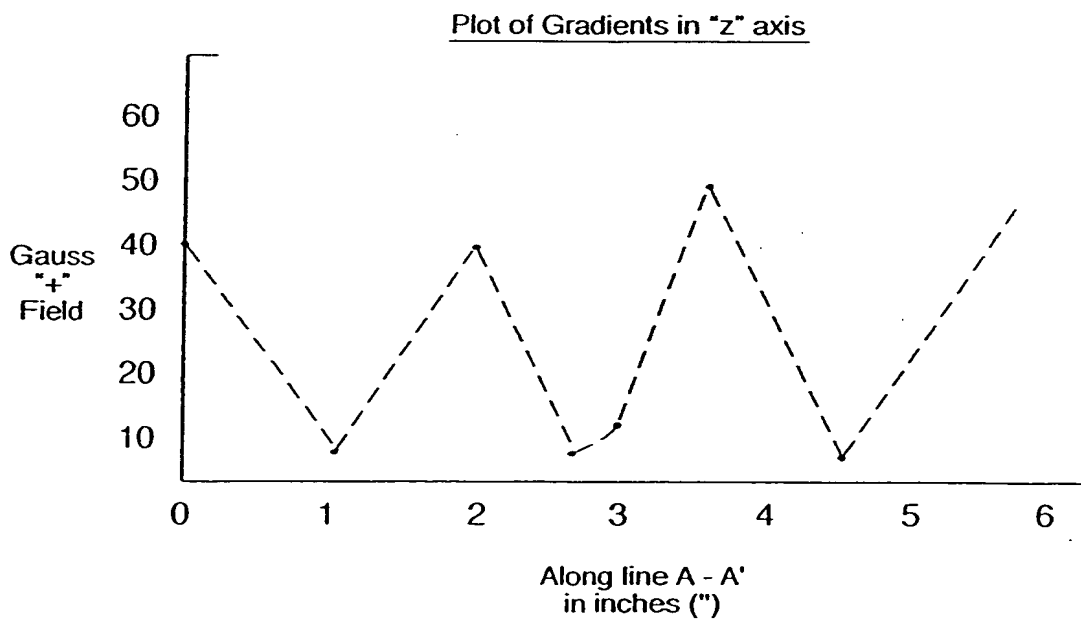
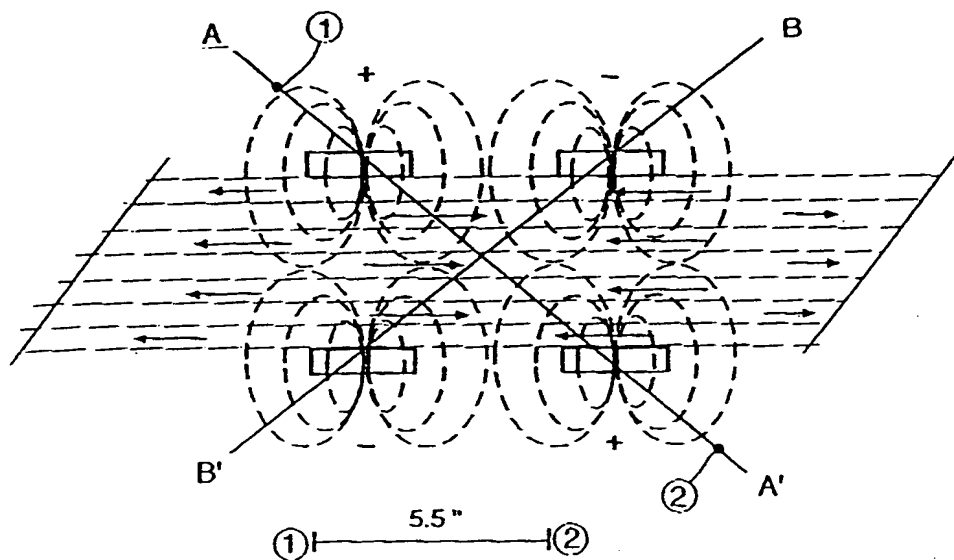


FIG. 9



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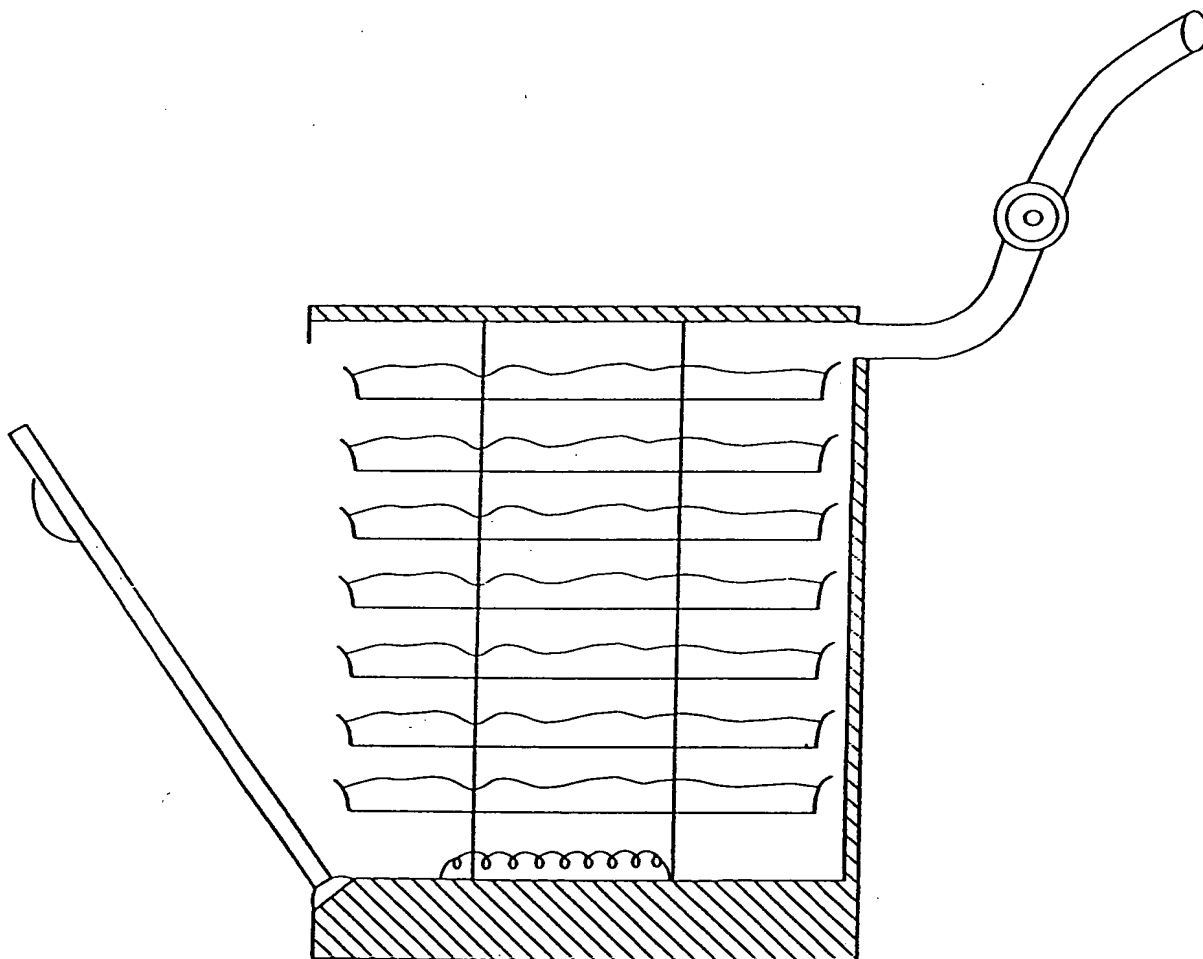


FIG. 10



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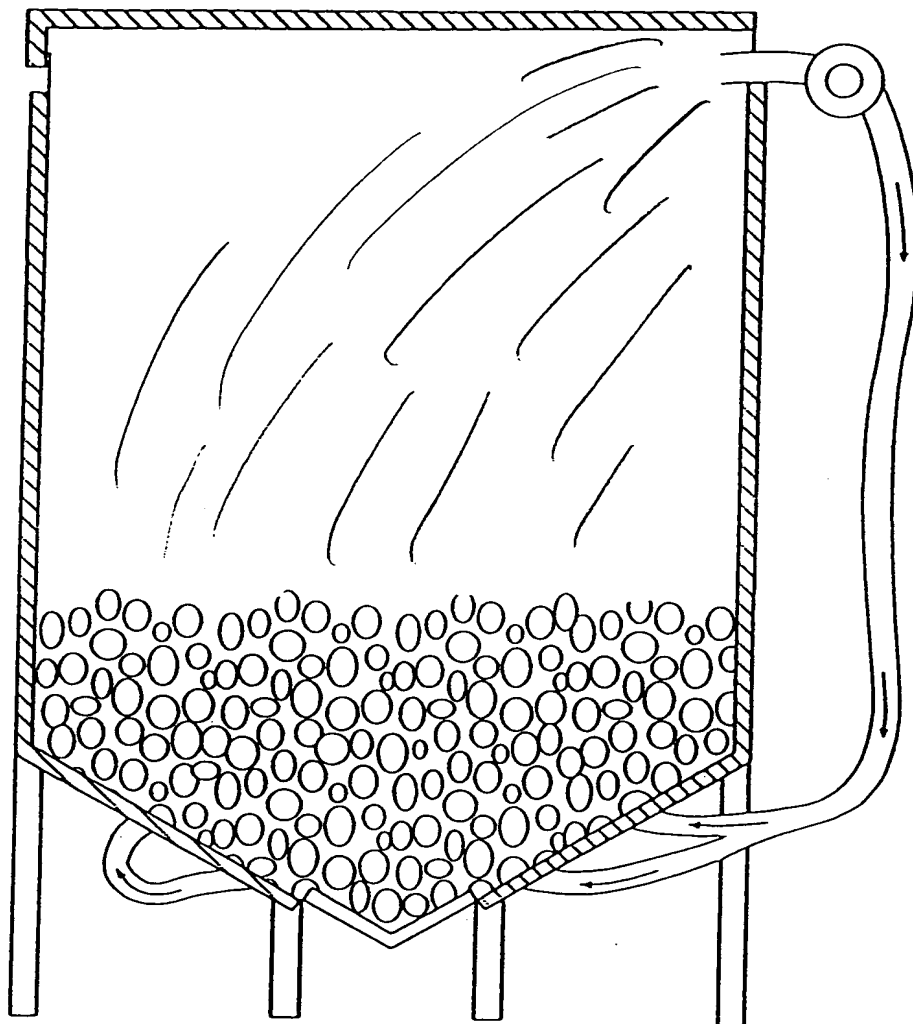


FIG. 11



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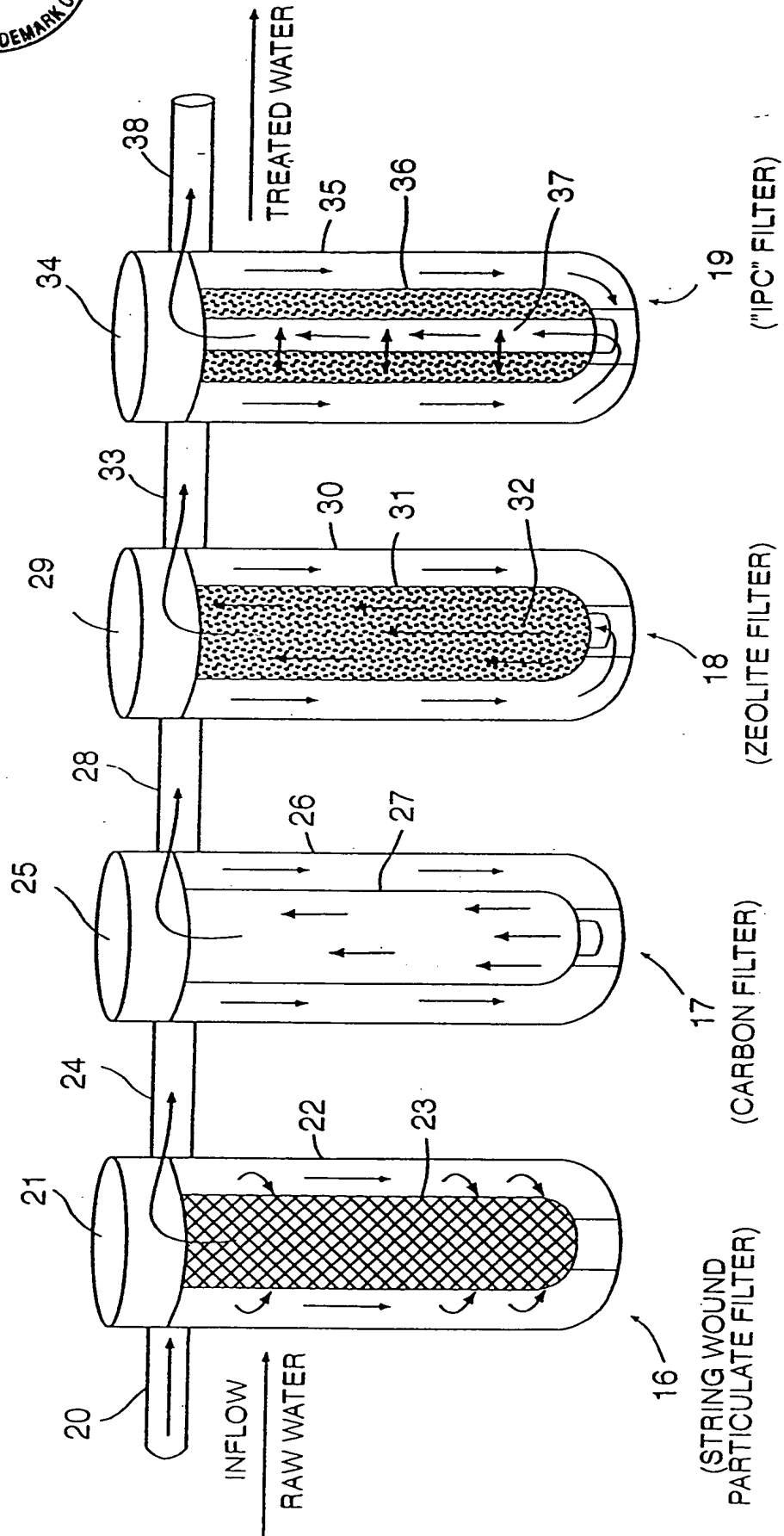


FIG. 12

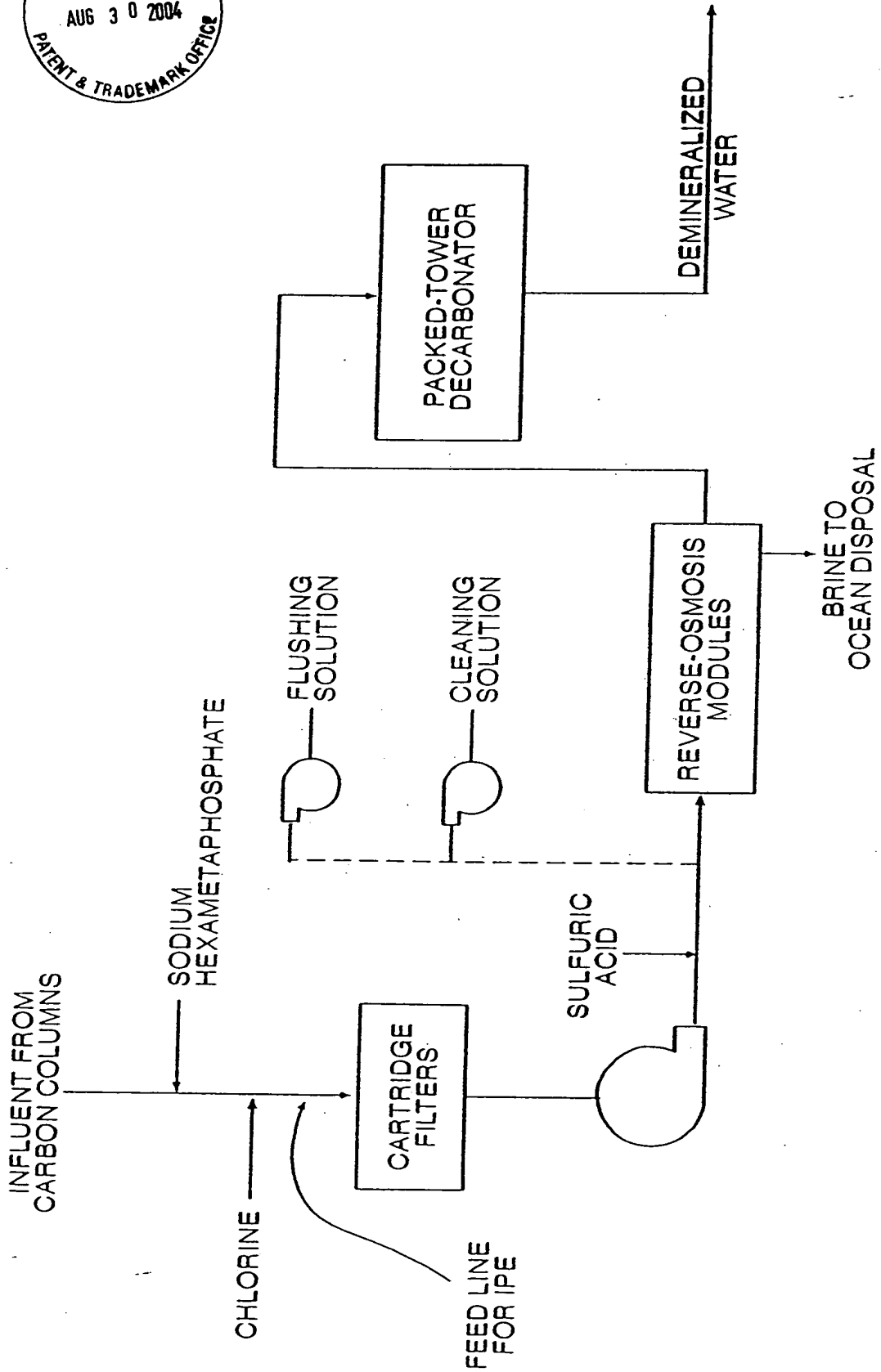


FIG. 13



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HOME WATER SOFTENER,
WITH AUTOMATIC
CONTROLLER FOR
REGENERATION AND SERVICE

IPC CONVERSION

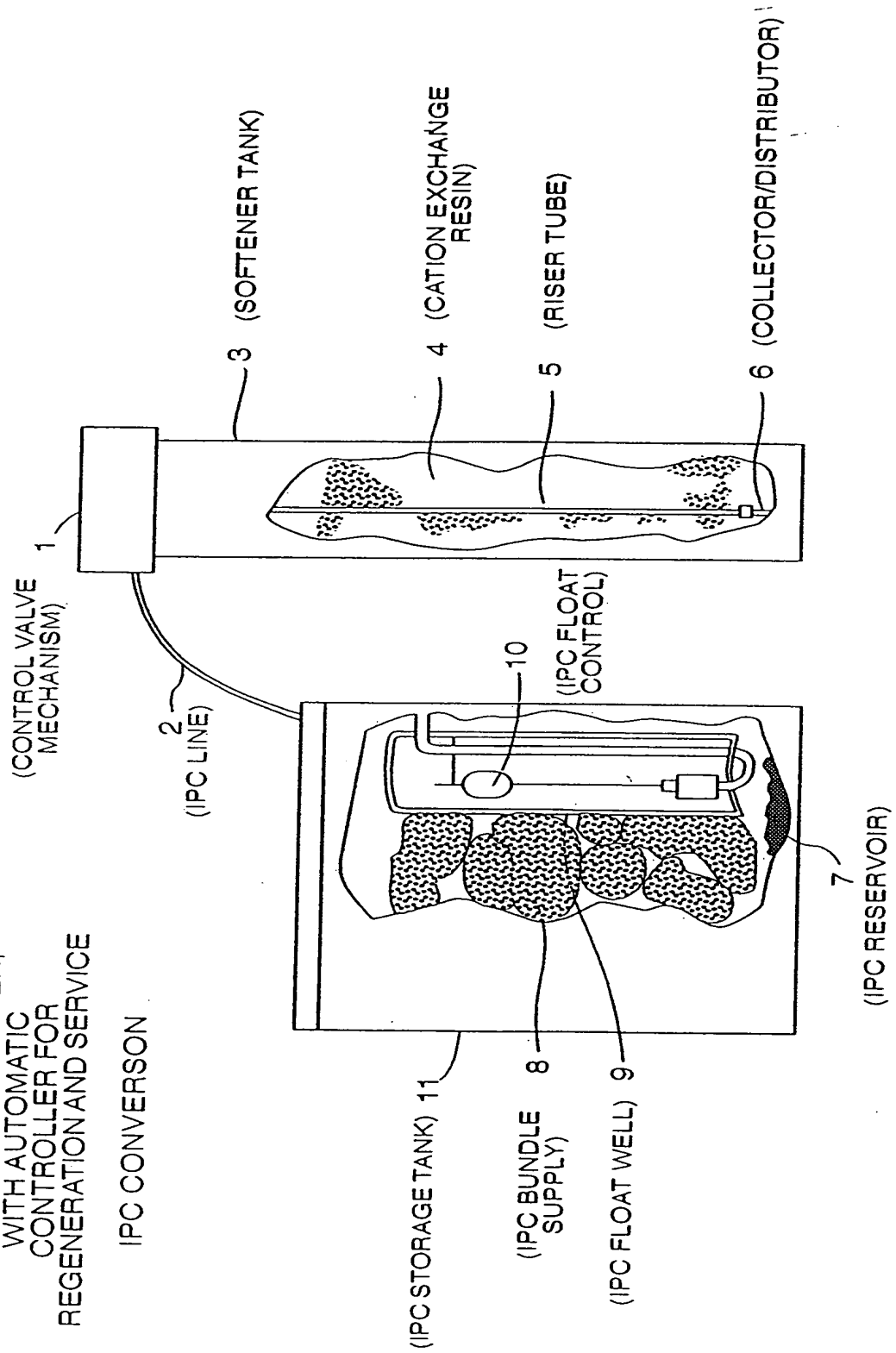
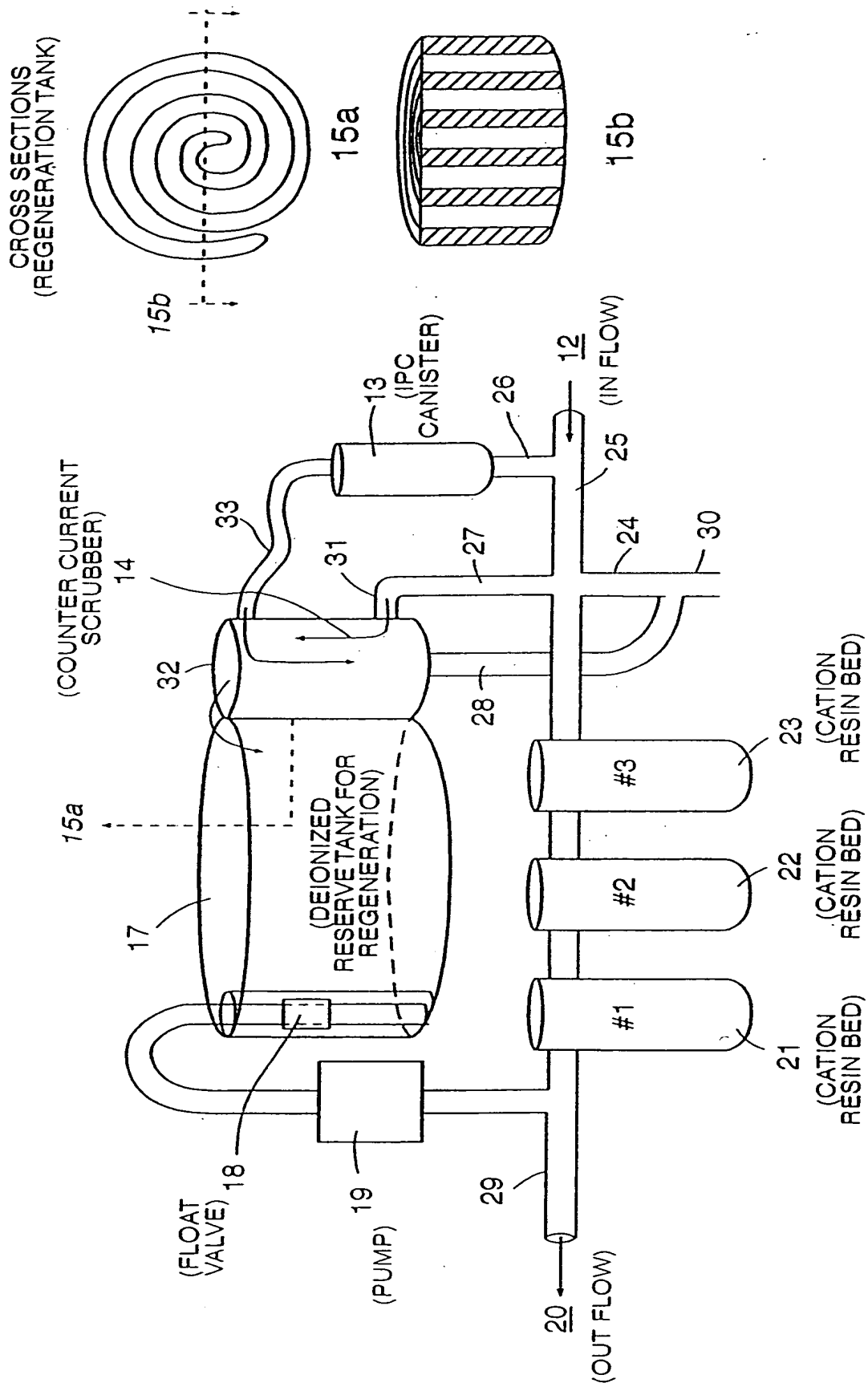


FIG. 14



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REPLACEMENT SHEET

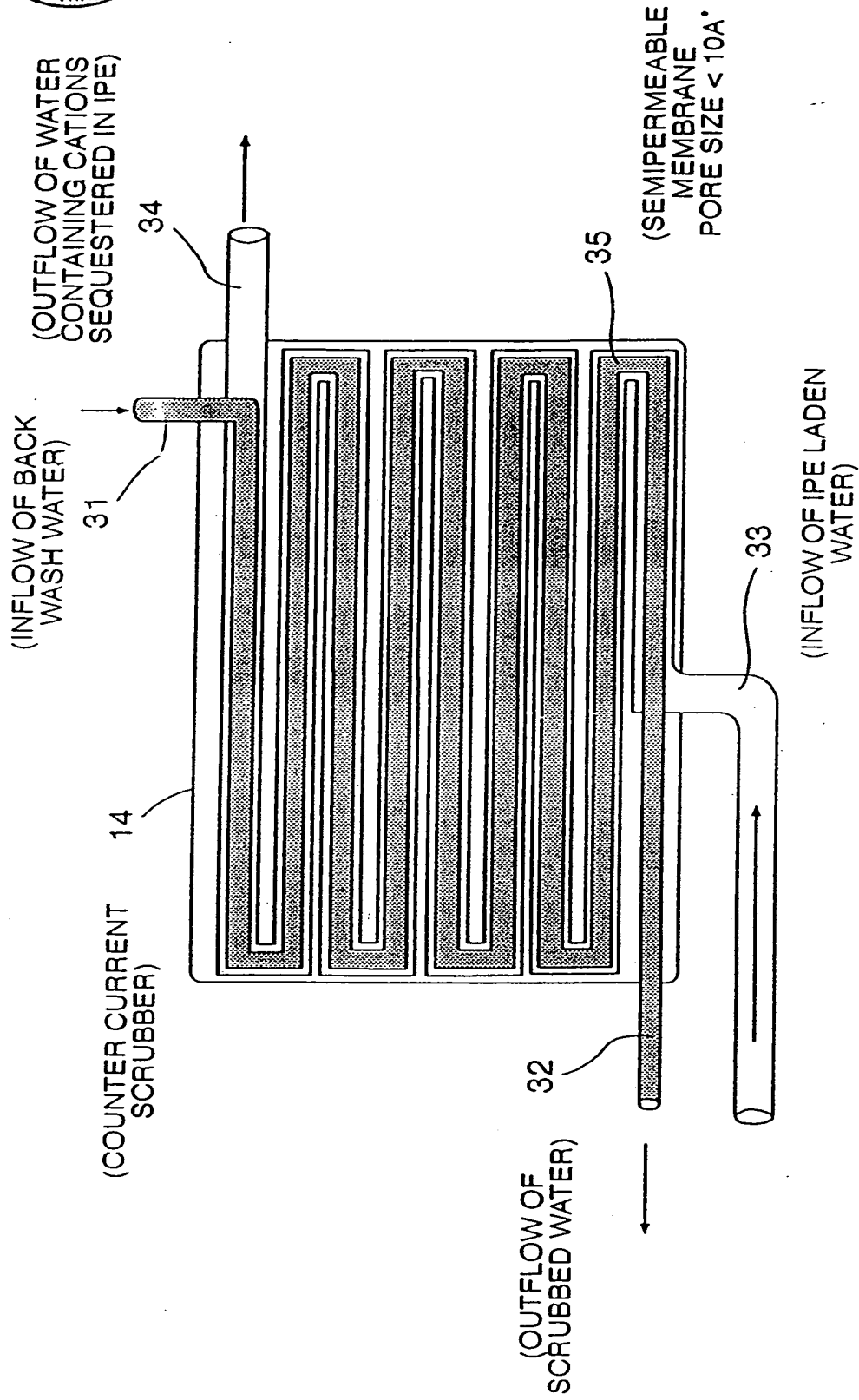


FIG. 16

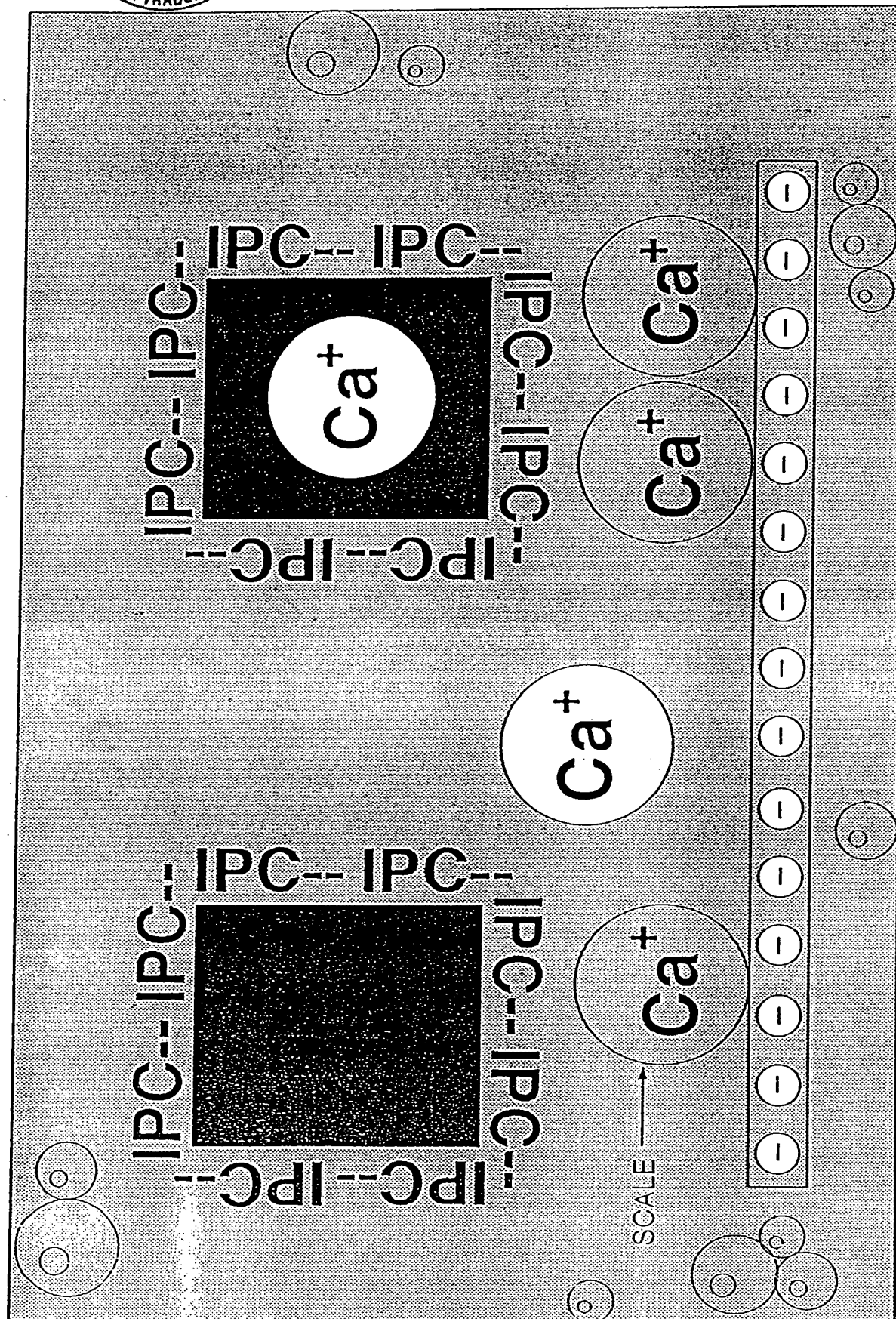


FIG. 17



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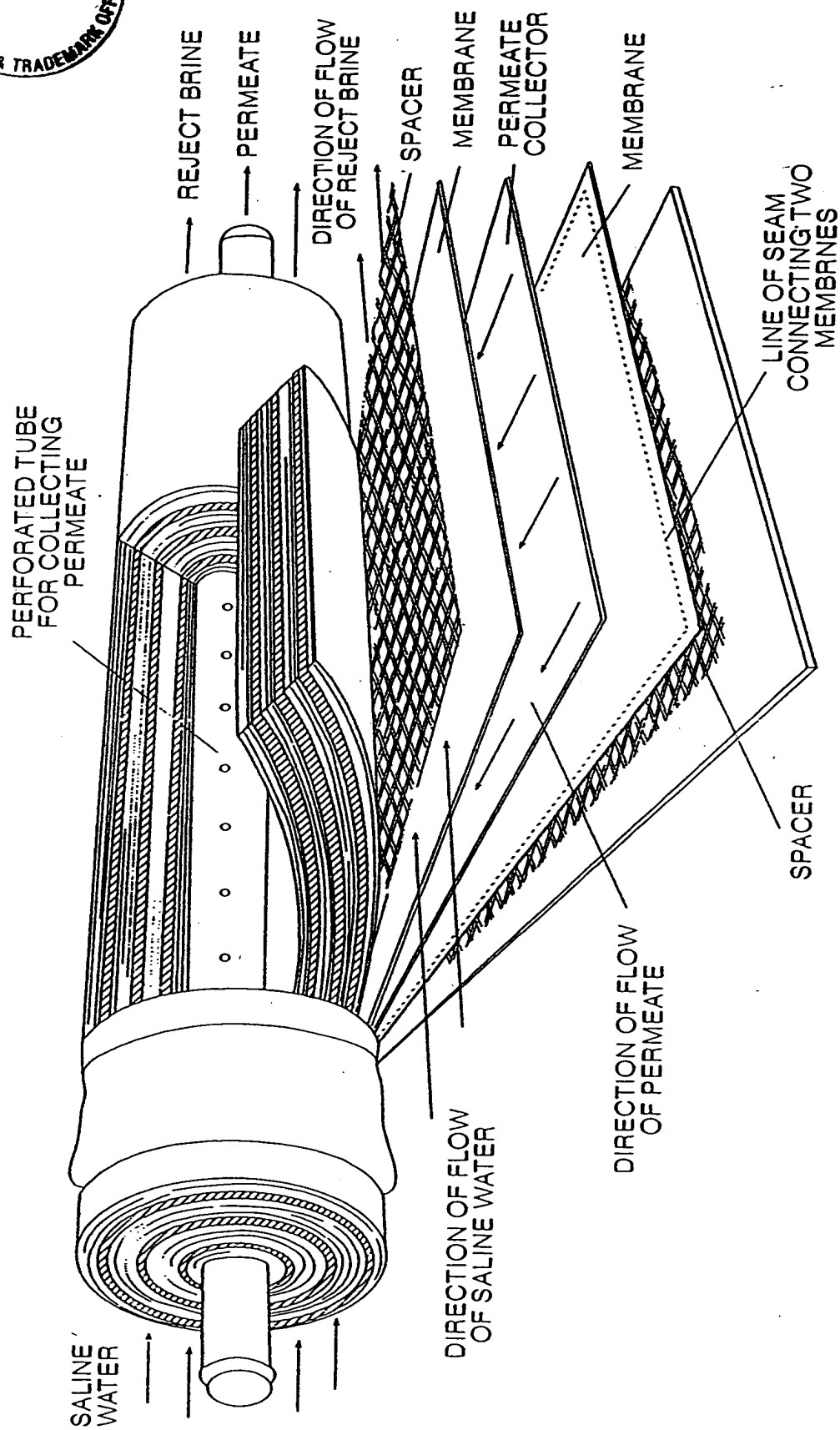


FIG. 18



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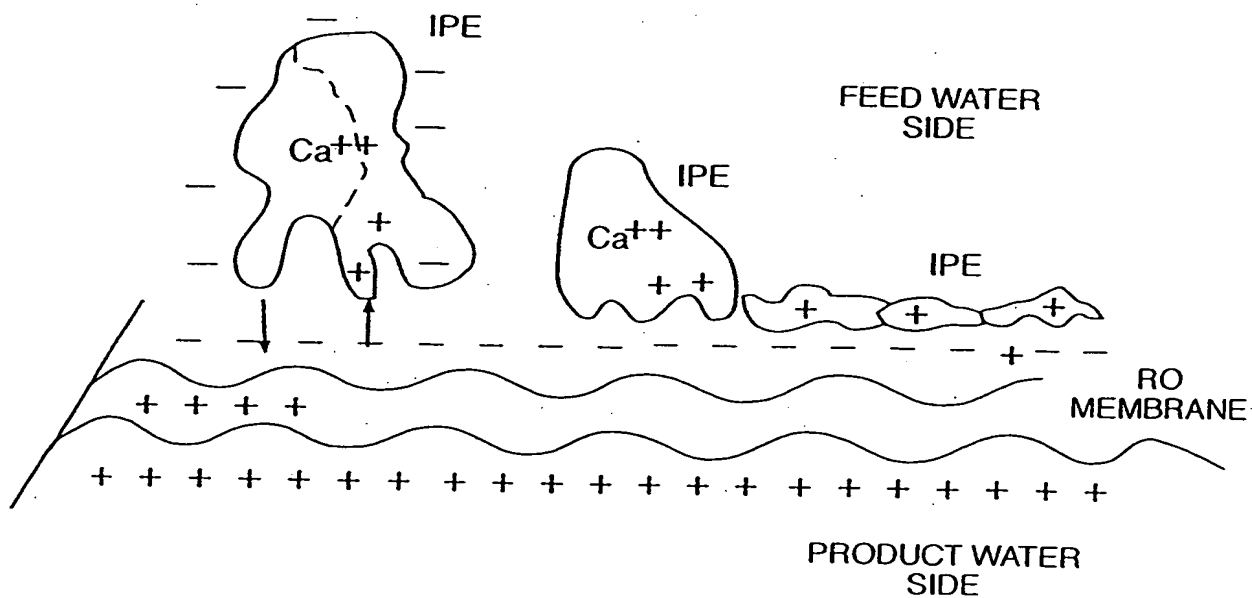
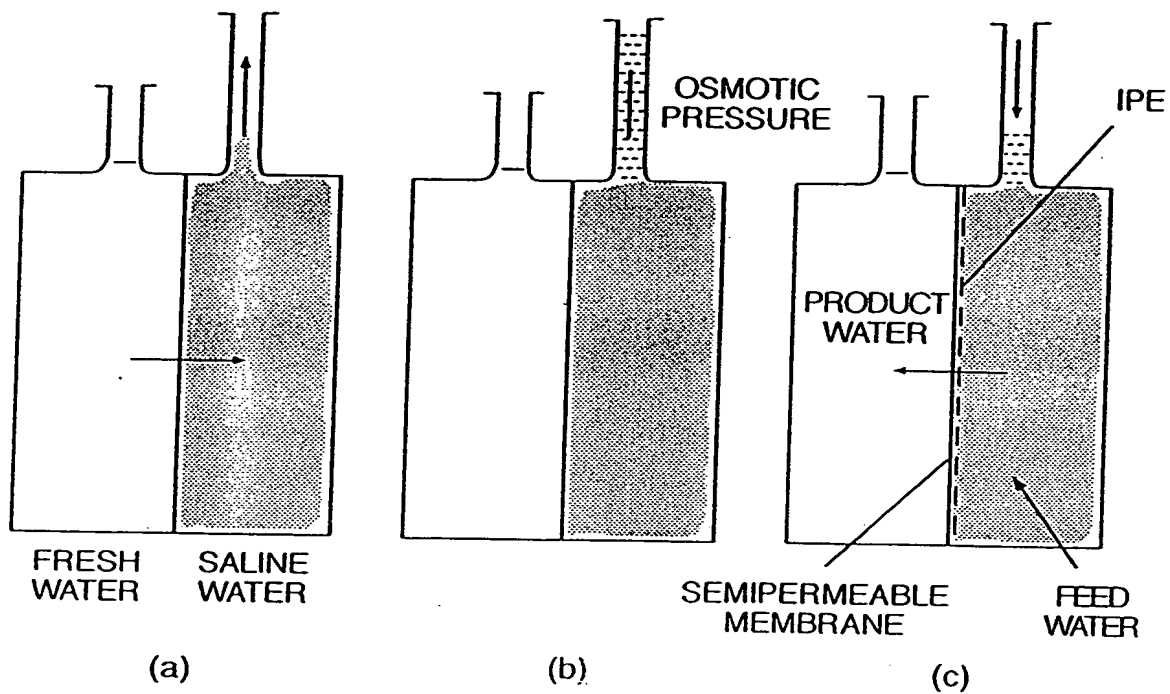


FIG. 19



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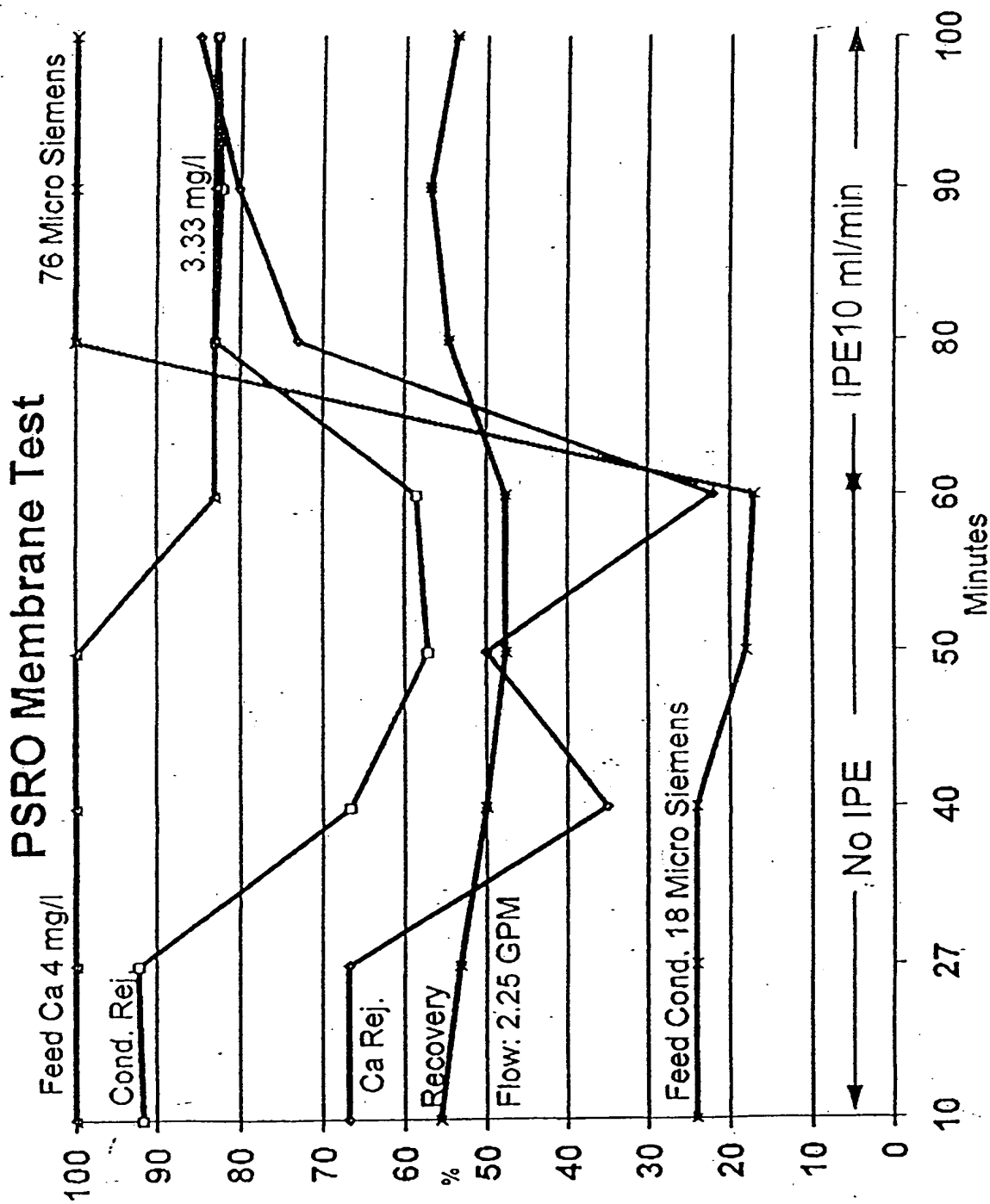


FIG. 20



REPLACEMENT SHEET

TFC Membrane Test: Pressure

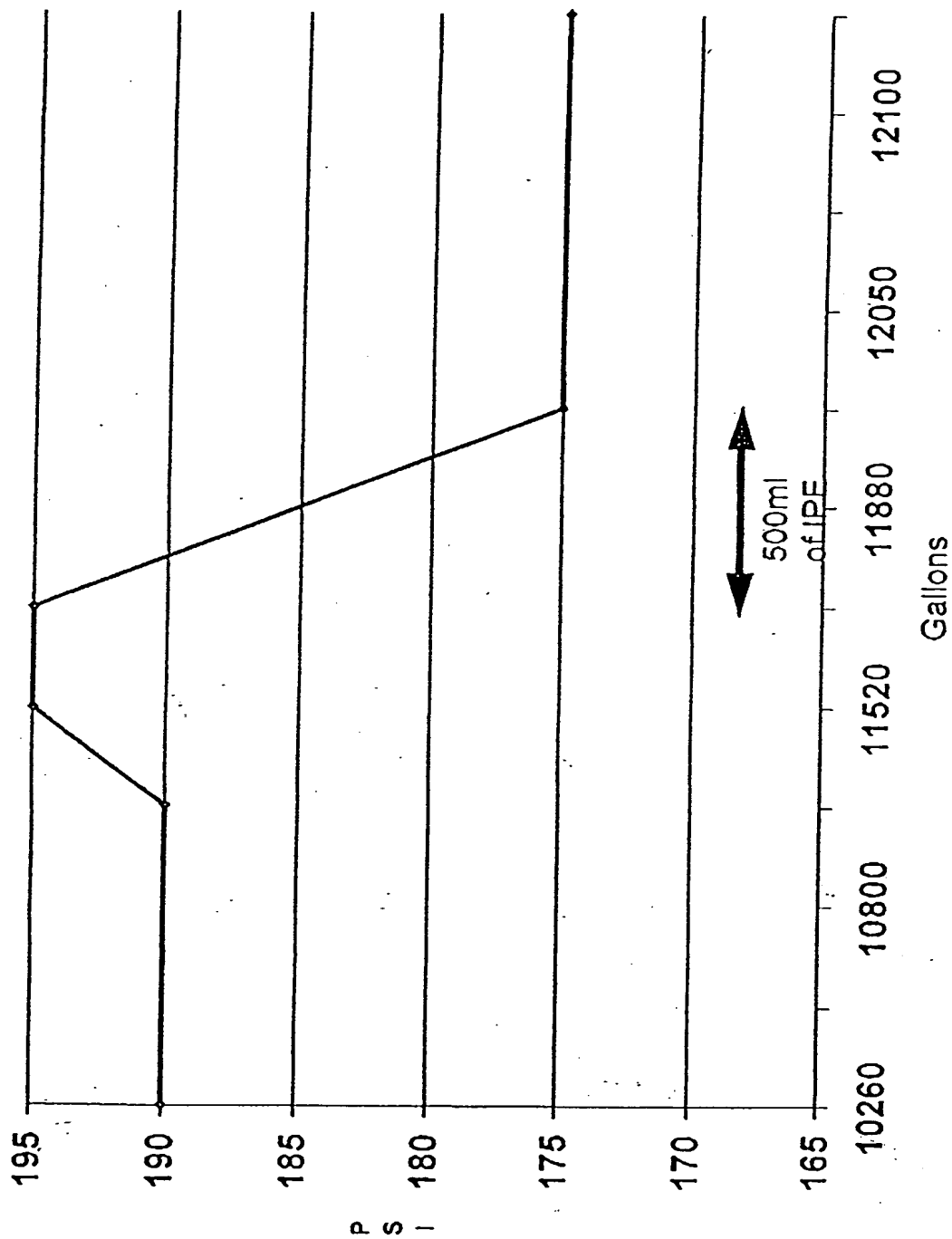


FIG. 21

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TFC Membrane Test: Product Calcium

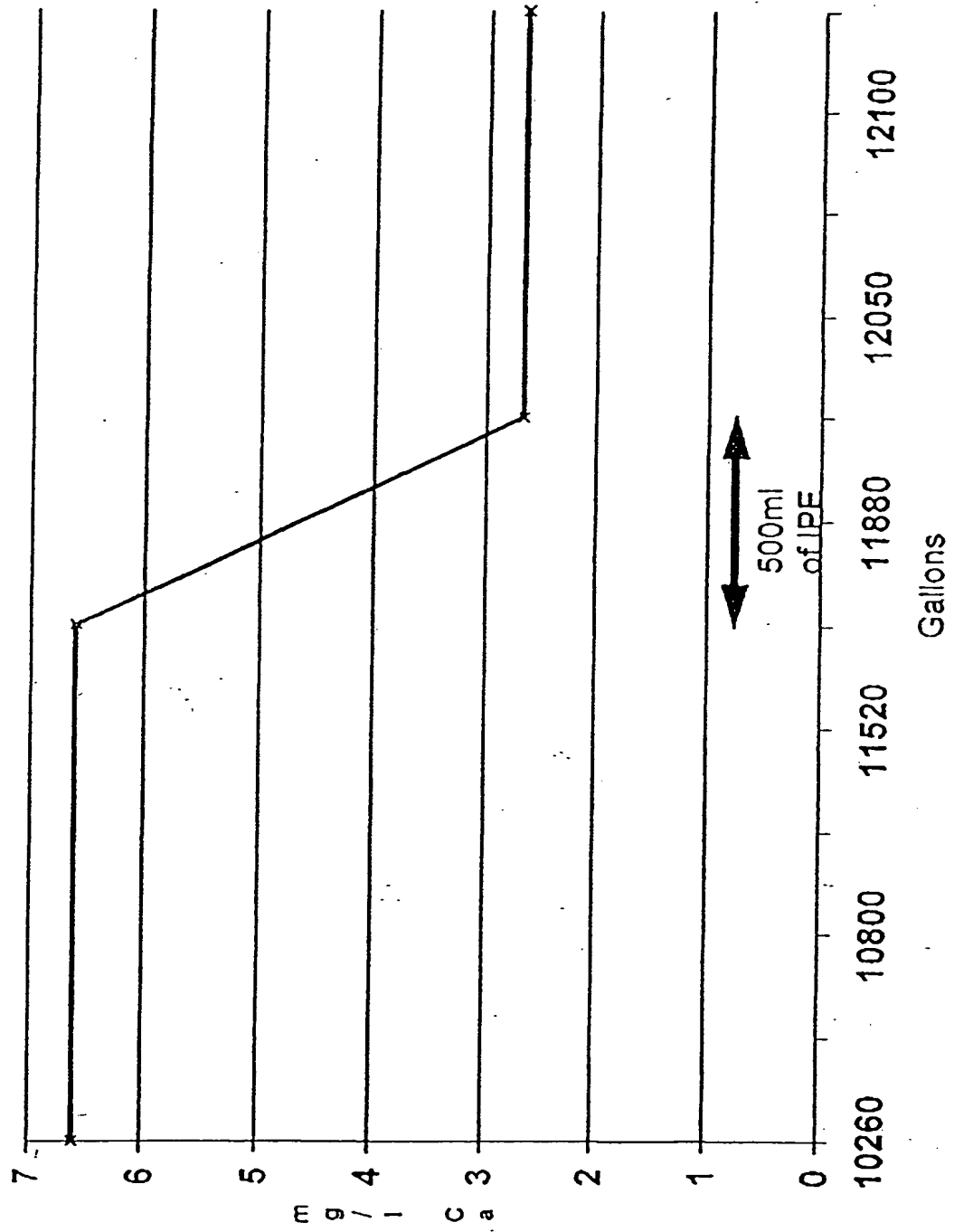
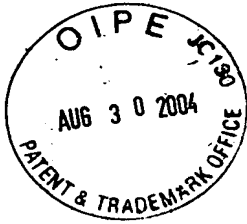


FIG. 22



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TFC Membrane Test: Percent Calcium Rejection

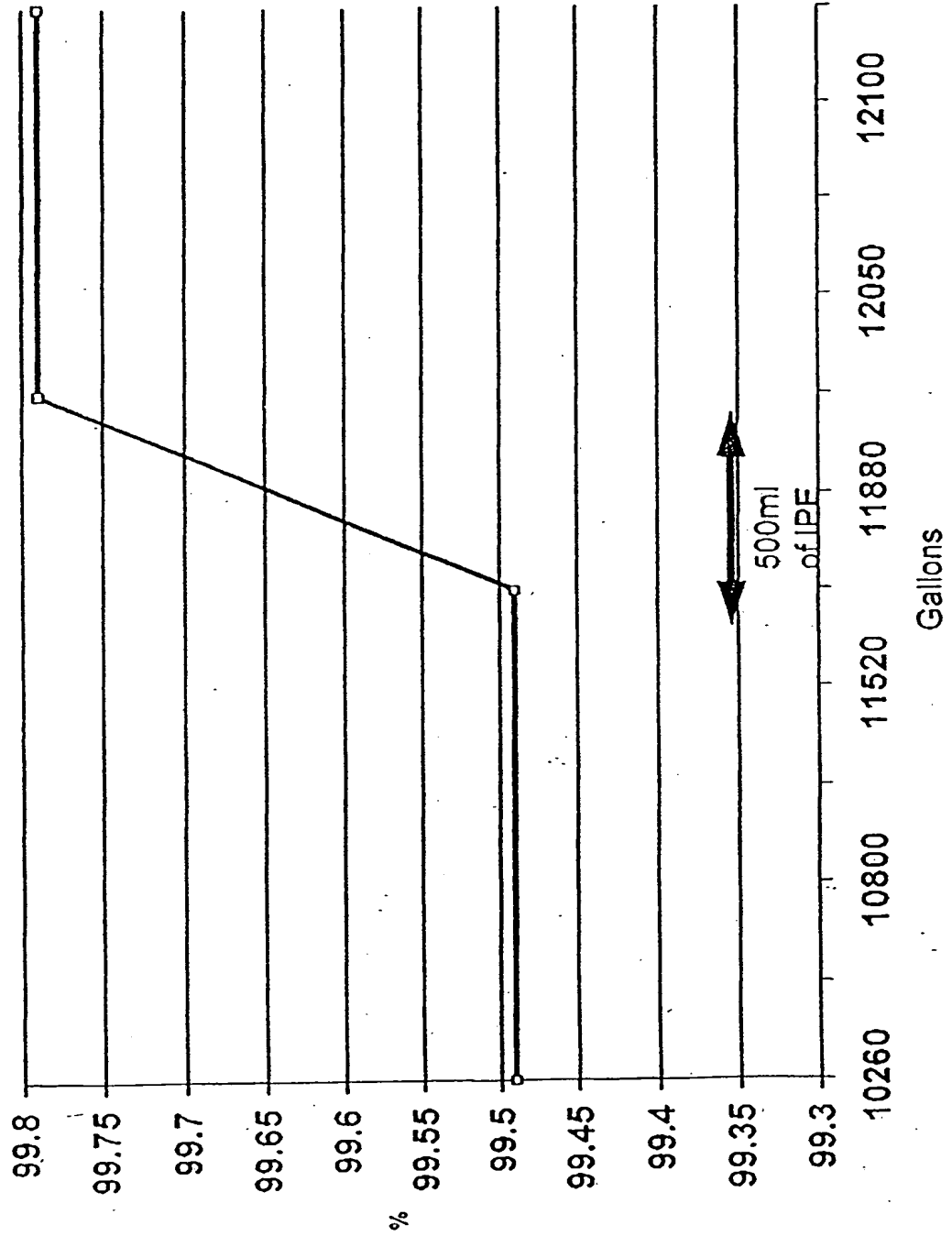


FIG. 23